

Product datasheet for **TA399817**

KRT14 Mouse Monoclonal Antibody [Clone ID: 2G4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	2G4
Applications:	ELISA, IHC
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	The original antibody was generated by immunizing 4-6 weeks old female ICR mice with recombinant protein comprising amino acids 458-472 of cytokeratin 7 in equal volume of Freund's incomplete adjuvant.
Specificity:	<p>This antibody is capable of binding human cytokeratin 14. Cytokeratins are intermediate filaments found in the intracytoplasmic cytoskeleton of epithelial tissue. The nonhelical tail domain is involved in promoting KRT5-KRT14 filaments to self-organize into large bundles and enhances the mechanical properties involved in resilience of keratin intermediate filaments in vitro.</p> <p>The binding characterization of this antibody was done using ELISA. The original IgG1 antibody binds cytokeratin 5/6 with a high affinity constant of $4.8 \times 10^8 \text{ M}^{-1}$. This antibody was also used in the immunohistochemical analysis of frozen paraffin sections of tonsil tissues and esophageal squamous cell carcinoma. The immunohistochemical staining pattern of this antibody is similar to commercially available antibody L1002 (CN113087793).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.
Database Link:	P02533
Synonyms:	CGMCC NO 20761; CK-14; CK 14; CK14; cytokeratin-14; K14; keratin-14; keratin type I cytoskeletal 14; KRT14; L1002



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